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TITLE : MAGNETIC RECORDING MEDIUM

ABSTRACT : PURPOSE: To improve running properties and durability by a method wherein prescribed lubricating compound is held on the surface of a ferromagnetic metal thin film.

CONSTITUTION: A ferromagnetic metal thin film is provided at least on one of the surfaces of a non-magnetic supporter. Organic phosphorus compound having an alkyl group of a carbon number 1-3, fluorine system organic compound containing a polar group and hydrocarbon system compound containing a polar group are held on the surface of the ferromagnetic metal thin film as lubricating compounds. Further, a diamond carbon film is provided on the ferro-magnetic metal thin film to hold the lubricating compounds. As the organic phosphorus compound has a high affinity with the ferromagnetic metal thin film, the action on the surface of the ferromagnetic metal thin film is stable, so that high durability against the friction with a magnetic head can be realized.

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